

Rec'd PCT/PTO 17 OCT 2005

1553462

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 November 2004 (04.11.2004)

PCT

(10) International Publication Number  
WO 2004/095032 A1

(51) International Patent Classification<sup>7</sup>: G01N 33/68

(21) International Application Number:  
PCT/GB2004/001701

(22) International Filing Date: 19 April 2004 (19.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0308967.9 17 April 2003 (17.04.2003) GB

(71) Applicant (for all designated States except US): UNIVERSITY COLLEGE LONDON [GB/GB]; Gower Street, London WC1E 9BT (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SAVVIDOU, Makrina [GB/GB]; Harris Birthright Research Centre For Fetal Medici, ne, King's College Hospital, Denmark Hill, London SE 8RS (GB). HINGORANI, Aroon, [GB/GB]; Centre For Clinical Pharmacology, British Heart Foundation Laboratories University C, ollege London, 4th Floor, Rayne

Institute, 5 University Street, London WC1E 6JF (GB). VALLANCE, Patrick [GB/GB]; Centre For Clinical Pharmacology, British Heart Foundation Laboratories UNiversity Co, llege London, 4th Floor, Raxne Institute, 5 University Street, London WC1E 6JF (GB). NICOLAIDES, Kypros [GB/GB]; Harris Brithright Research Centre For Fetal Medici, ne, King's College Hospital, Denmark Hill, London SE5 8RS (GB).

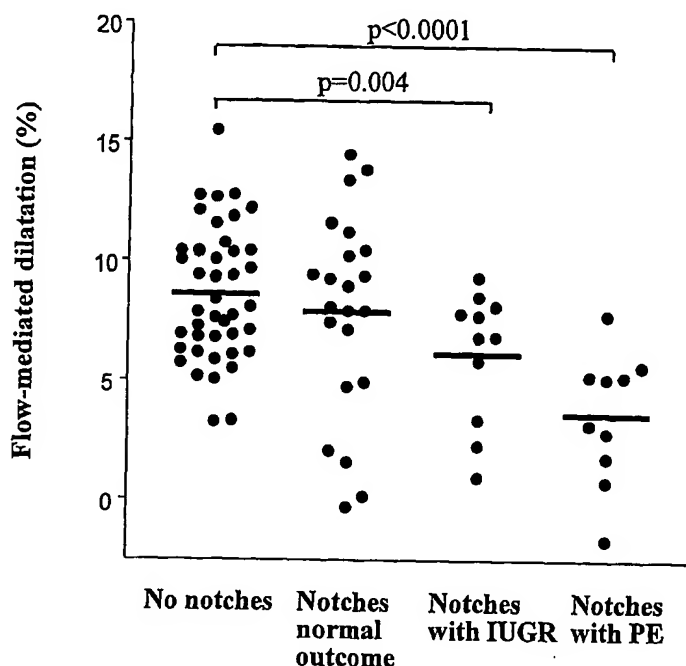
(74) Agent: WOODS, Geoffrey, Corlett; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: SCREEN FOR PRE-ECLAMPSIA



(57) Abstract: It has been demonstrated that the level of asymmetric dimethylarginine (ADMA) increases in women that subsequently develop pre-eclampsia or whose fetus subsequently develops intrauterine growth restriction (IUGR) and that ADMA plays a key role in the development of maternal hypertension. Accordingly, the level of ADMA in a pregnant woman can be used to determine whether or not a pregnant woman is at risk of developing pre-eclampsia or whether or not a fetus is at risk of developing IUGR. Furthermore, antagonists of ADMA activity are useful in the inhibition or prevention of pre-eclampsia or inhibition or prevention of IUGR.

WO 2004/095032 A1

WO 2004/095032 A1



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*